

# ASG-Web Enabler™ User's Guide

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2	Major component of product disabled	Within 2 hours
3	Problem with the product, but customer has work-around solution	Within 4 hours
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If you do not have access to the web, FAX your suggestions to product management at (941) 263-3692. Please include your name, company, work phone, e-mail ID, and the name of the ASG product you are using. For documentation suggestions include the publication number located on the publication's front cover.



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## Preface

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This *ASG-Web Enabler User's Guide* provides information about using ASG-Web Enabler (herein called Web Enabler). Web Enabler is a graphical user interface (GUI) that allows end-user access to a remote repository.

Allen Systems Group, Inc. (ASG) provides professional support to resolve any questions or concerns regarding the installation or use of any ASG product. Telephone technical support is available around the world, 24 hours a day, 7 days a week.

ASG welcomes your comments, as a preferred or prospective customer, on this publication or on the Web Enabler product.

### About this Publication

The *ASG-Web Enabler User's Guide* consists of these chapters:

- [Chapter 1, "Introduction,"](#) describes the Web Enabler product and its use.
- [Chapter 2, "Using the Repository Online,"](#) explains how to create, search, and update the repository using Web Enabler.
- [Chapter 3, "Working with Object Tables,"](#) details how to work with object lists that result from searches of the repository.

## Related Publications

The documentation library for Web Enabler consists of these publications (where *nn* represents the product version number):

- *ASG-Web Enabler User's Guide* (WBR0200-*nn*) provides information about using ASG-Web Enabler.
- *ASG-Web Enabler System Administrator's Guide* (WBR2100-*nn*) provides information for system administrators about installing and configuring ASG-Web Enabler.
- *ASG-Manager Products Server Facility User's Guide* (MSF0200-*nn*) provides information about the installation and use of the ASG-Manager Products Server Facility.

**Note:** \_\_\_\_\_

To obtain a specific version of a publication, contact the ASG Service Desk.

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## Publication Conventions

ASG technical publications use these conventions:

Convention	Represents
ALL CAPITALS	Directory, path, file, dataset, member, database, program, command, and parameter names.
Initial Capitals on Each Word	Window, field, field group, check box, button, panel (or screen), option names, and names of keys. A plus sign (+) is inserted for key combinations (e.g., Alt+Tab).
<i>lowercase italic monospace</i>	Information that you provide according to your particular situation. For example, you would replace <i>filename</i> with the actual name of the file.
Monospace	Characters you must type exactly as they are shown. Code, JCL, file listings, or command/statement syntax. Also used for denoting brief examples in a paragraph.
Vertical Separator Bar ( ) with underline	Options available with the default value underlined (e.g., Y  <u>N</u> ).

---

# 1

## Introduction

---

Web Enabler is a graphical user interface (GUI) that allows end-user access to a remote repository. Users can graphically search, report, list, analyze, update, delete, and create repository objects. Previous object selections can be saved for future use, or combined with other selections to support more elaborate searches. Users can view specific pre-generated repository content diagrams, and the import and export of repository content is supported. An Expert mode is provided so that experienced users can enter lines of repository command syntax for specific processing requirements without leaving the web browser.

Web Enabler works with standard web browsers, such as:

- Microsoft Internet Explorer Version 4.0 or later
- Netscape Navigator Version 6.0 or later

No installation is necessary for the end-user; all content and functionality is supplied by Web Enabler components that reside on the web server and the repository. For more information on installation and server management, see the *ASG-Web Enabler System Administrator's Guide*.

## Accessing Web Enabler

The Web Enabler user interface displays in the web page area of your web browser.

To access Web Enabler, start your web browser and type the address (URL) your System Administrator created during installation, for example:

```
http://205.245.8.86/asg/webenabler/we_cgittest.html
```

## User Interface

These are the two main parts to the user interface:

- Navigation tree
- Repository workspace



Locate the navigation tree on the left side of the page and the workspace to the right. You can adjust the proportions of each part by dragging the frame separator horizontally. The information on the top right side of the page provides the current dictionary, status, and user.

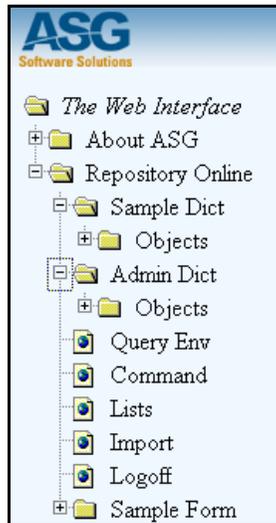
**Note:** \_\_\_\_\_

The instructions and examples in this publication use standard demonstration information. Your system administrator can customize your navigation tree and repository workspace for your site.

\_\_\_\_\_

## Using the Navigation Tree

The navigation tree runs along the left side of your browser window. It operates in the same manner as Windows Explorer directory trees.



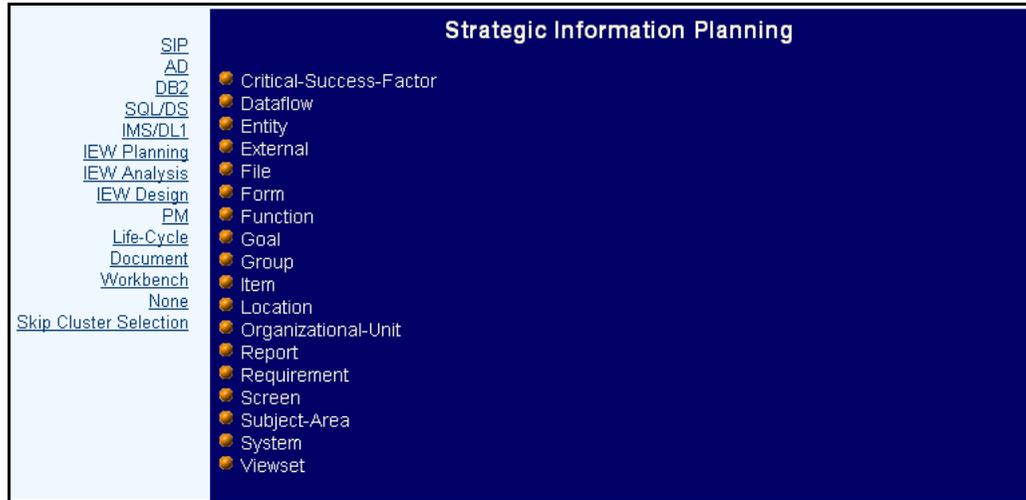
This is the directory icon . If there is a plus sign (+) to the left of the directory, there are subdirectories. Click the plus sign (+) to display the subdirectories. An additional command executes when you click a directory icon. This is useful when you want to switch between different dictionaries.

This is the web page icon . Click the icon and the associated page displays in the repository workspace on the right (e.g., clicking the web page icon next to Command displays the Web Enabler Command Mode form). Most choices on the navigation tree represent static pages stored on the web server for reference or documentation. Some pages can be generated from repository contents by the System Administrator.

Only one branch of the navigation tree is covered in this publication. The Repository Online branch provides access to web pages generated dynamically from repository contents. This is discussed in [Chapter 2, "Using the Repository Online," on page 5.](#)

## Using the Repository Workspace

The repository workspace occupies the right side of your screen. It displays the contents of the option you choose from the navigation bar on the left.



Active links are underlined. Click on the link to go to the new page.

The ball  is active. Click on the ball to obtain an in-context menu for the selection.

# 2

## Using the Repository Online

This chapter describes the facilities available from the Repository Online branch of the Web Enabler navigation tree and contains these sections:

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### Selecting an Object

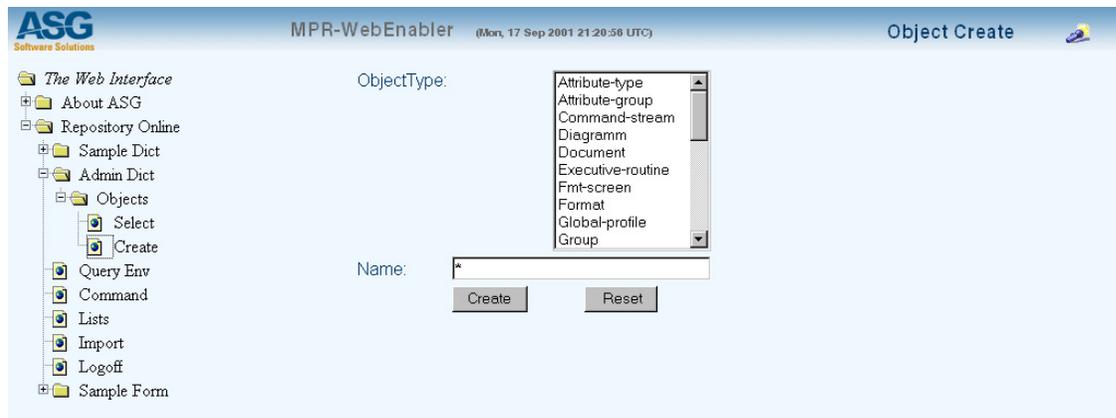
Select is the first choice available from the Object menu. This dialog allows you to select objects in the repository. When you click Select, a new screen appears in the workspace on the right side of your screen.



At the top of the repository workspace are the object type groups. To the right or below (depending on your browser) is a dynamic list of object types for the currently selected object type group. In the illustration above, SIP (Strategic Information Planning) is the chosen object type group. You can see the dynamic list of object types for SIP in the right portion of the workspace.

## Creating a New Object

In this example, Create is the second choice available from the Object menu. This dialog allows you to create objects in the repository. When you click Create, a new screen appears in the workspace on the right side of your screen.



### *To create a new object*

- 1 Select Create under the Object folder.
- 2 Choose an object type to create from the Object Type list.
- 3 Enter the name for the new object. Choose a unique name that uses the correct prefix for the object type and conforms to your site's naming conventions.
- 4 Click Create to submit the new object to the repository. If the name is not unique or is invalid, correct the problem and click Create again.

The Object Create form displays.

- 5 Complete the data in the appropriate fields.
- 6 Click Save to submit the updated object specification to the repository. If you want to revert back to the original stored values after you save them, click Reset.

If you click Back on your browser, Web Enabler creates an empty member.

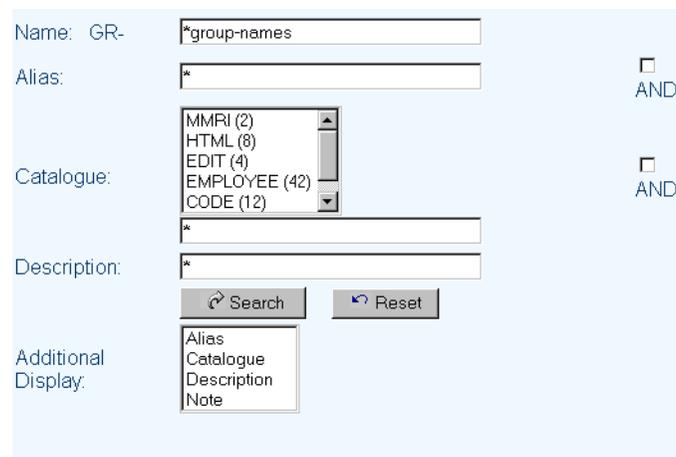
**Note:**

Always use Save to store your modified members to the repository.

## Updating an Object Definition

### *To update the properties of an object*

- 1 Choose Select from the Objects folder.
- 2 Click the ball  next to the object type group you want to modify. For example, if you select the type Group, this displays:



The screenshot shows a form for updating an object definition. It includes the following fields and controls:

- Name:** GR-
- Alias:**   AND
- Catalogue:**
  - MMRI (2)
  - HTML (8)
  - EDIT (4)
  - EMPLOYEE (42)
  - CODE (12) AND
- Description:**
- Additional Display:**
- Buttons:** Search (with magnifying glass icon) and Reset (with circular arrow icon)
- Dropdown Menu:** Alias, Catalogue, Description, Note

- 3 Enter the Group object name and complete any other related fields.
- 4 Click Search.

An object table displays.

List contains: 26 MEMBERS IN TOTAL  
26 GROUPS

Name	Type	U	C	S
<input type="checkbox"/> GR-MMR-COMMON	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-DOCUMENT	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-EXITS	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-GENERAL	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-GENERAL-MISC	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-LCS	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-LCS-ATTRIBUTES	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-LCS-COMMON	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-LCS-DURATION	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-LCS-EXITS	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-LCS-MEMBER-TYPES	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-LCS-OPTION	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-LCS-RELATIONSHIPS	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-NAMING	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-PROFILE	(GROUP)	0	SCE	ENC
<input type="checkbox"/> GR-MMR-RETAIN	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-SET-ENV	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-SET-FUNCTIONS	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-SET-SPFEDIT	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-TSS	(GROUP)	1	SCE	ENC
<input type="checkbox"/> GR-MMR-UPDATE	(GROUP)	1	SCE	ENC

- 5 Click the ball  next to the object type you want to modify.
- 6 A pop-up action window displays.



- 7 Using the scroll bars, select Edit from the pop-up action window.

The Object Edit form displays.

**Note:**

This example has been modified to show some of the different input fields. The Object Edit form may contain a number of edit boxes which scroll outside of the visible display.

MPR-WebEnabler (10 SEP 2001 15.11.12) Object Edit (ADMIN,DEV,BEN)

GR-MMR-COMMON (GROUP)

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**NOTE Text for Description**

Customizing the Panel Interface

**CATALOGUE Entry of Catalogue Terms**

MMR  
GR2  
MRO  
TSS  
EXTERNAL

**ALIAS An Alias Identifier**

??.

**CONTAINS MEMBER-TYPE and MEMBER-TYPE-GROUP member names**

MDG\_TABLE\_FIELD\_CHAR  
MDG\_COMMAND\_LINE\_CHAR  
MDG\_LINE\_COMMAND\_CHAR  
MDG\_LOGOFF  
MDG\_STINC

- 8 Enter and select data in the appropriate fields.
- 9 Click Save to submit the updated object specification to the repository. If you want to revert back to the original stored values after you save them, click Reset.

To abandon the operations, click Back on your browser.

## Searching

### *Catalog Wildcard Search*

You can search via catalogue substrings. When you generate search-dialogues and use the catalog in your set of search fields, an entry field will be generated in which the substring can be entered. You can use the asterisk (\*) as you would in a DOS command. Additionally, you will get a list of currently used catalogues.

### *Searching for an Object of a Known Type*

Follow these steps to search for an object whose type is known. If you do not know the object type or want to search for more than one object type, see ["Searching More Broadly" on page 11](#).

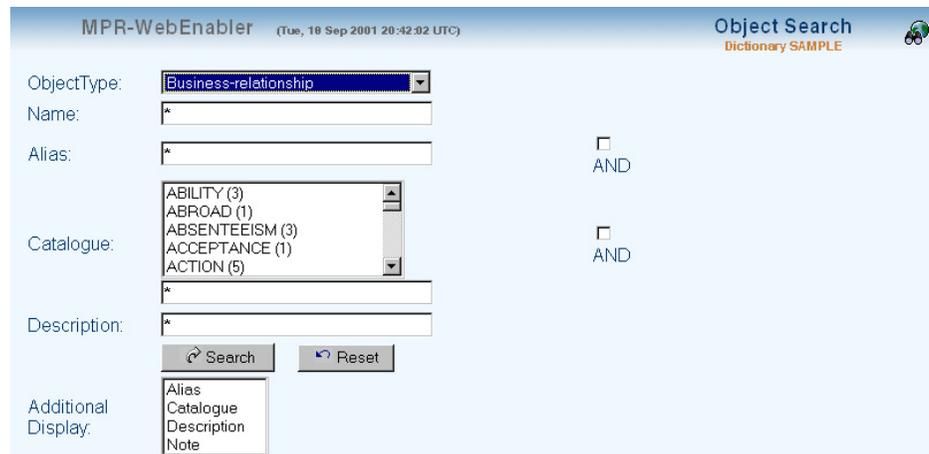
- 1 Click on the object type group you wish to search.

A list of its associated object types displays in the bottom half of the workspace. You can browse the various object type groups by selecting them in turn until the desired object type appears in the bottom list.

You can access ungrouped object types by choosing the object type group None.

- 2 Once you have found the object type you want, click the ball  that precedes it.

The Search Object Properties dialog for the selected member type displays in the repository workspace or as a pop-up window.



- 3 Enter your search masks in the Name, Alias, and Description fields. (The Name field shows the prefix appropriate to the object type chosen.) You can use wildcards to indicate unknown content for given attribute values. Use the scrolling Additional Display list if you want to add another attribute for the search.

Check the AND box to combine criteria. Otherwise, criteria are searched with OR logic.

- 4 Click Search to submit your request. Use Reset to clear the dialog and begin again.

A successful search results in an object table displaying in the repository workspace. See [Chapter 3, "Working with Object Tables," on page 17](#) for information on manipulating the resulting object table.

### Searching More Broadly

Follow these steps if you do not know the object type or if you want to search for more than one object type:

- 1 Choose Skip Cluster Selection from the bottom of the Object Type Group list.

A generic Search Option Fields dialog displays.

MPR-WebEnabler (Tue, 10 Sep 2001 20:45:00 UTC) Object Search Dictionary SAMPLE

ObjectType: \*  
Name: \*  
Alias: \*  
Catalogue: ABILITY (3)  
ABROAD (1)  
ABSENTEEISM (3)  
ACCEPTANCE (1)  
ACTION (5)  
Description: \*  
Additional Display: Alias  
Catalogue  
Description  
Note

AND  
 AND

Search Reset

- 2 Enter your search masks in the ObjectType, Name, and Alias fields. You can use wildcards to indicate unknown content for given attribute values. Use the scrolling Catalog list if you want to add another attribute for the search.
- 3 Check the AND box to combine Catalog and Description criteria. Otherwise, criteria are searched with OR logic.
- 4 Click Search to submit your request. Use Reset if you want to clear the dialog and begin again.

A successful search results in an object table displaying in the repository workspace. See [Chapter 3, "Working with Object Tables," on page 17](#) for information on manipulating the resulting object table.

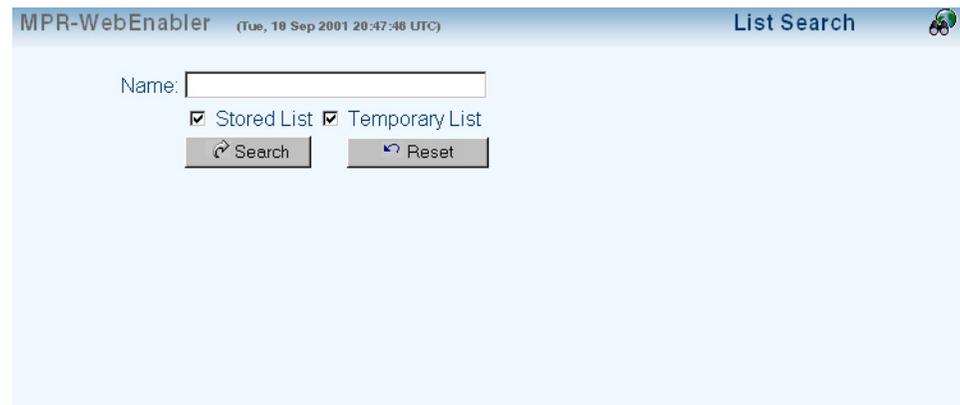
## Searching Lists

Search is the first choice available from the List menu. Lists are collections of repository objects.

### To search lists

- 1 Click Lists from the Sample Dict navigation tree.

The List Search screen displays in the workspace on the right side of your screen.



The screenshot shows the 'List Search' interface within the 'MPR-WebEnabler' application. At the top, there is a header bar with the application name and a timestamp '(Tue, 18 Sep 2001 20:47:46 UTC)'. Below the header, the main area contains a 'Name:' label followed by a text input field. Underneath the input field are two checkboxes, both of which are checked: 'Stored List' and 'Temporary List'. At the bottom of the form are two buttons: 'Search' and 'Reset'.

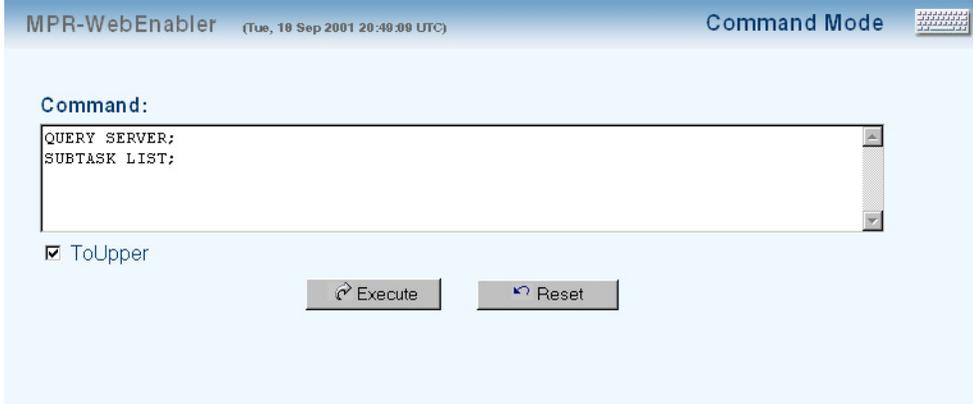
- 2 To search for a stored list, check the Stored List check box.
- 3 To search for a temporary list held on the web server and available for a Web Enabler session, check the Temporary List check box.
- 4 You can check both boxes if you wish to check all lists.
- 5 Enter a mask in the Name field to narrow the search for lists with matching parts of their name.
- 6 Click Search to begin the search. Click Reset to clear the fields of the screen so that you can begin a new search.

A successful search results in a list table displaying in the repository workspace. See ["Working with List Tables" on page 28](#) for information on manipulating the resulting list table.

## Submitting Commands to the Repository

### *To submit a command to the repository*

- 1 Click Command from the Repository Online navigation tree to submit Manager Products command language directly to the repository.



MPR-WebEnabler (Tue, 18 Sep 2001 20:49:09 UTC) Command Mode

Command:

```
QUERY SERVER;  
SUBTASK LIST;
```

ToUpper

Execute Reset

**Note:**

When you select the To Upper check box, Web Enabler creates your MMR (ASG-MethodManager) commands in upper case.

- 2 Type your syntax (using uppercase characters) directly into the box. You can use multiple command lines similar to NPT batch input. Use the scroll bar on the right side of the text box if you need to add more lines.
- 3 Click Execute to run the commands in the repository. If you want to clear the dialog, click Reset.

If you run the commands shown in the previous figure, you receive output like this:

```
QUERY SERVER;  
(ADMIN,DEV,BEN)  
  
MANAGER PRODUCTS SERVER MPSERV09 ACTIVITY ON 18 SEP 2001 AT 15.42.39  
-----  
CLIENT  CLIENT  SUBTASK  CONVERSATION  DATA  DATA  MSGS  MSGS  
IDENTITY MODE   IDENTITY START TIME  IN(K)  OUT(K)  IN    OUT  
-----  
BEN.s    PWS    TASK-012  14.47.45      4     268    25    25  
-----  
SERVER NAME                : MPSERV09  
SERVER START DATE/TIME     : 17 SEP 2001/10.40.26  
SERVER EXECUTION STATUS    : ACTIVE  
SERVER QUEUE PROCESSING SUBTASK : TASK-001  
CURRENT CONVERSATIONS      : 1  
HIGHEST CONCURRENT CONVERSATIONS : 4  
MAXIMUM CONCURRENT CONVERSATIONS : 99  
TOTAL APPC ALLOCATE REQUESTS : 5  
ACCEPTED APPC ALLOCATE REQUESTS : 5  
REJECTED APPC ALLOCATE REQUESTS : 0  
TOTAL TCP/IP CONNECT REQUESTS : 6  
ACCEPTED TCP/IP CONNECT REQUESTS : 6  
REJECTED TCP/IP CONNECT REQUESTS : 0  
FREE SUBTASKS AVAILABLE    : 91  
GLOBAL CLIENT TIME-OUT (MINUTES) : 60  
TOTAL MESSAGES INPUT       : 703  
TOTAL MESSAGES OUTPUT      : 707  
TOTAL DATA INPUT(K)       : 187  
TOTAL DATA OUTPUT(K)      : 510  
-----  
  
SUBTASK LIST;  
(ADMIN,DEV,BEN)  
  
MANAGER PRODUCTS SUBTASK STATUS ON 18 SEP 2001 AT 15.42.48  
-----
```

Some commands produce standard output in black text. Some commands generate web-friendly output enabling you to directly select the object name by clicking on the output shown in blue and underlined.

## Import Function

The import screen allows you to send data to the MPAID. The contents of the data input field are written into a user member and executed when you click Upload. You can specify the member name in the corresponding field. You can use this functionality to send and execute a replacement stream of dictionary contents.

If the Additional Command field has a value, this value will be sent against the repository as a command after the upload/execute is done. The usage of this function is an optional post processing.

MPR-WebEnabler (Tue, 18 Sep 2001 21:01:55 UTC) Import

Upload Data:

TargetUserMember:  
WEB\_1 Name  Replace  Execute

Additional Command:

## Web Enabler Message Display

Web Enabler may display a message at the top of the data frame. This message provides a short description of the data that currently displays. In standard installations, you may also view the current name of dictionary, status, and user.



---

# 3

## Working with Object Tables

---

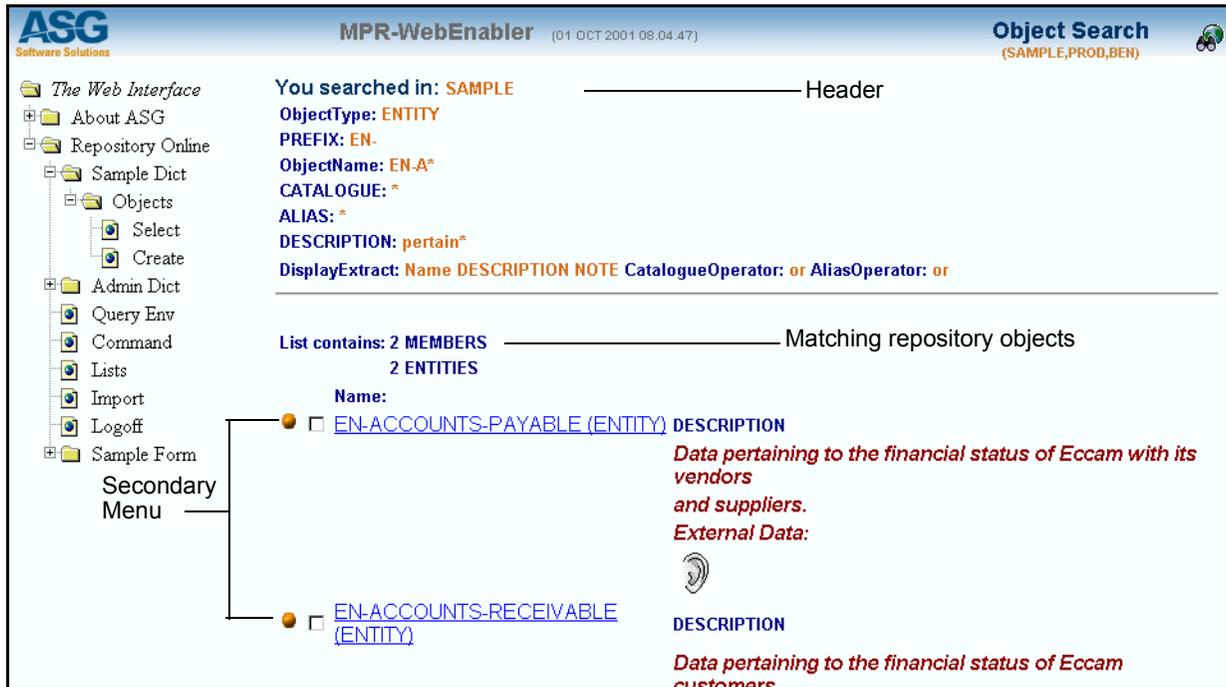
This chapter describes how to work with object tables and contains these sections:

<b>Overview</b> .....	<b>18</b>
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## Overview

An object table is the output of an object search (see ["Selecting an Object" on page 5](#)).

This is an example of the object table output:



These are the sections of an object table and their possible values:

Section	Description
<b>Header</b>	Shows the repository searched and a summary of the search criteria used. Values obtained from the preceding object dialog are shown in orange.
<b>Matching repository objects</b>	Shows the number of matching repository objects, by object type and in total. Lists objects by name, type, and source of definition. See <a href="#">"Matching Repository Objects" on page 19</a> for more information on this section.
<b>Secondary menu</b>	Menu that allows action on sets or group selections. See <a href="#">"Using the Single and Group Selection Pop-up Menus" on page 20</a> for more information.
<b>Specific member contents</b>	Shows the member names and a description of what it contains.
<b>Footer</b>	Standard footer for the repository workspace (not shown in the example above).

## Matching Repository Objects

When you generate an object table, the main portion of the workspace lists the repository objects that match your search criteria. These are the columns of the table of matching objects:

<b>Object Name</b>	Name of the object that matched your search criteria.
<b>Object Type</b>	Type of object that matched your search criteria.
<b>Usages (U)</b>	Indicates how many other objects refer to the object.
<b>Condition (C)</b>	Represents the condition of a member definition. These are the options: SCE If the member has a Source record ENC If the member has an Encoded record DUM If the member has a Dummy record
<b>Source(s)</b>	If the source of definition is an S, the object has been ENCodeD. If the source of definition is not S, the object is a DUMmy created by a reference but without its own encoded definition.

There are two controls in the object table area. The ball  allows you to access a pop-up menu that offers a variety of actions for the chosen object (see ["Using the Single and Group Selection Pop-up Menus" on page 20](#)). A check box allows you to include an object in a multiple or group selection (see ["Using the Group Selection Pop-up Menu" on page 26](#)).

## Creating an Object Report

You can create an object report on any object in an object table. Click on any object name that is underlined, and an object report displays.

## Using the Single and Group Selection Pop-up Menus

Click the ball  to the left of each object name to access a pop-up menu (for single selection or group selection). The pop-up menus allow you to access more information about the chosen object.

If you want to perform multiple or group selections, select one of these options available from the bottom of the object table output screen:

Select All      Includes all listed objects within the group selection.

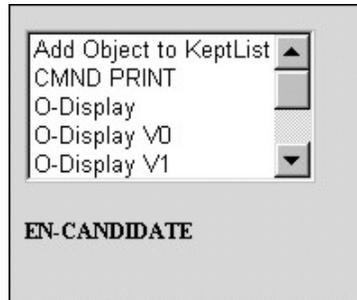
Reset Action    Excludes all listed objects from the group selection.

You can also select the check boxes to toggle individual members between being included or excluded in the group selection.

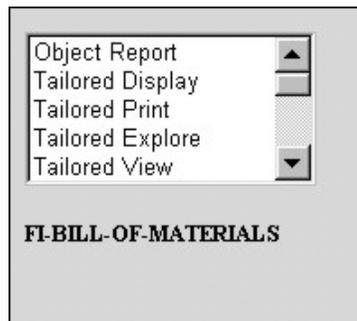
### Using the Single Selection Pop-up Menus

The contents of the single selection pop-up menu are context dependant.

This is an example of the pop-up menu for a selected entity:



This is an example of the pop-up menu for a file:



These are common actions you can perform using the single selection pop-up lists:

- Add Object to Keep Data List
- Print
- View, Display, and Report
- Explore, F-Explore, and B-Explore
- Structure, F-Structure, and B-Structure
- Edit

### *Add Object to Kept Data List*

The Add Object to Kept Data List action produces a dialog box which prompts you for the name of the Kept Data list where the selected object should be added.

### *Print*

The Print action produces a PRINT MEMBER-NAME line command output for the selected member.

### *View, Display, and Report*

The View, Display, and Report actions allow you to view, display, and report the contents of the selected member.

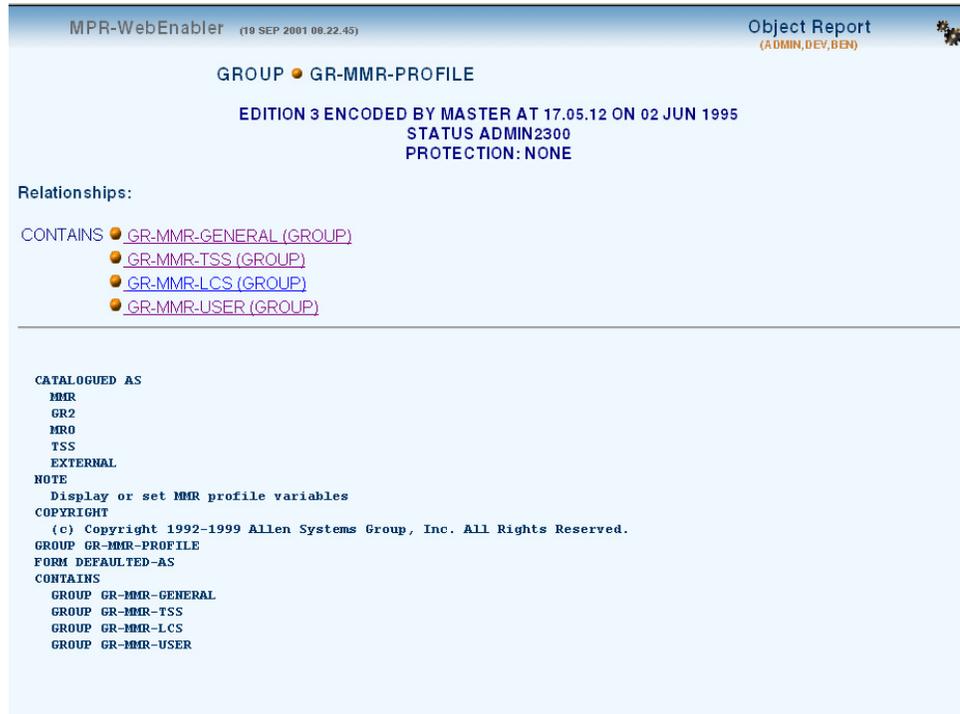
**Note:** \_\_\_\_\_

You will also see various tailored versions of these actions by similar names.  
\_\_\_\_\_

You can perform a direct selection by clicking on an underlined object name or you can perform an object action selection by clicking the ball  preceding a member name in the same way as within the object table itself.

The ability to produce outputs and subsequent outputs from objects listing in these is known as drill down navigation.

This example shows the object report display for GR-MMR-USER (general illustration):



These are the different sections of the report:

- The top of the report contains the heading comprised of the object type and name, plus encoding, status, and protection details.
- The ball ● preceding the object name in the header allows you easy access to other actions you can perform with this object (without the need to page back to previous browser screens).
- Next, you see the references which this object makes to other repository objects listed by their type and the name of the referenced object. In this example, the Group objects are all referenced by CONTAINS relationships.
- Below this you may have a list of the objects which reference this one labeled Usages.

If you are curious about these referenced objects, you can obtain a similar output by clicking on the underlined name, or a choice of actions is available by clicking on the preceding ball ●.

- The final section of the report, lying below the horizontal divider, is the repository output showing the native contents of the object as stored in the repository.

Several object views are available. The following example shows an object together with a diagram, containing its direct references. You can use the diagram for navigation.

**FI-BILL-OF-MATERIALS (FILE)**

**DESCRIPTION**  
Data describing the components of the product, including the suit patterns and the sequence of steps in product fabrication.

**ALIAS**  
LONG BILL OF MATERIALS

List contains: 1 MEMBER PROCESSED  
1 DIAGRAM

**NAME:**  
 **DG-HTFI-BILL-OF-MATERIALS\_V (DIAGRAM)**

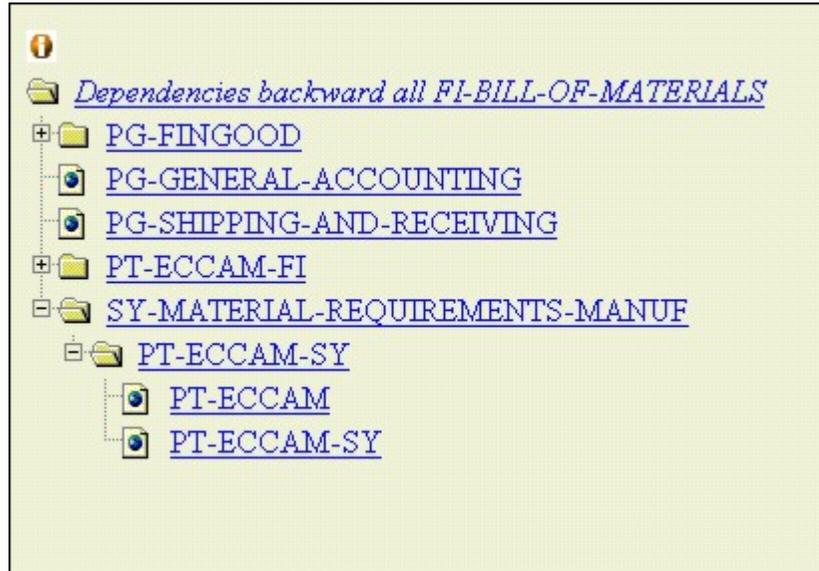
**NOTE**

### Explore, F-Explore, and B-Explore

The Explore, F-Explore, and B-Explore actions produce outputs focussing on forward, backward, direct, and indirect references. The different Explore actions support another use of the repository—Impact Analysis.

The Explore output styles use the standard Windows Explorer expandable list format. For information on using the explorer list style, ["Using the Navigation Tree" on page 3](#).

This is an example of a B-Explore format for the FILE named FI-BILL-OF-MATERIALS:

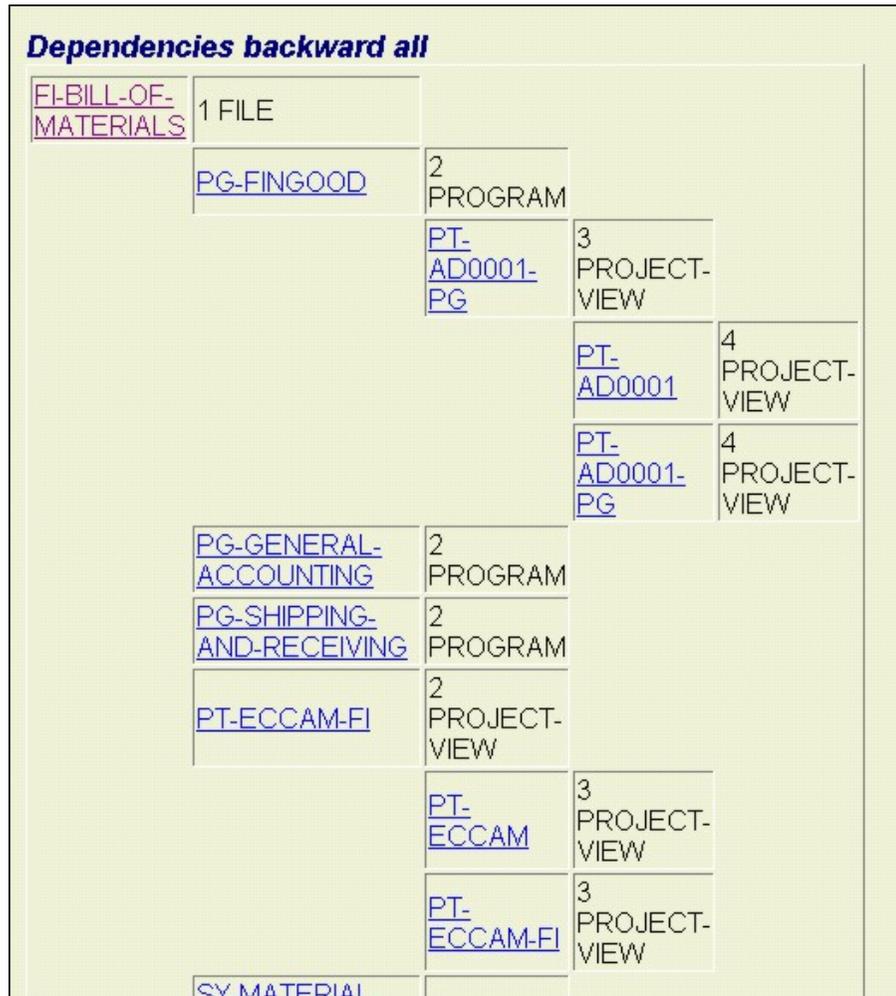


### **Structure, F-Structure, and B-Structure**

Structure, F-Structure, and B-Structure produce outputs focussing on forward, backward, or forward and backward references. The different Structure actions also all support Impact Analysis.

The Structure output style uses a block structured output (rather than an explorer style output).

This is an example of a B-Structure diagram for a file:



This example clearly illustrates the degree of indirection of referenced objects from the selected (and therefore root) object. You can have these types of relationships:

- Direct relationships which include the root as a participant.
- Indirect relationships which do not include the root as participant, but are related to the root either directly or indirectly via their participants.

This example also shows the types of the related objects.

## Edit

The Edit action produces an update form to change the attributes and references of the selected object (see ["Updating an Object Definition" on page 7](#)).

## Using the Group Selection Pop-up Menu

The actions in the pop-up menu are variations of the actions and outputs available for single selected objects. The group selection pop-up menu allows you to apply these actions to the entire group of selected objects in a single action.

This is an example of the group selection pop-up menu:



These are the common actions you can perform using the group selection pop-up menu:

- Add to KeptList
- Print
- Object Report
- Tailored Display
- Tailored Print
- Impact Analysis
- Delete

## Add to KeptList

The Add Object to Kept Data List action produces a dialog box which prompts you for the name of the kept data list where the selected object should be added.

## Print

The Print action produces a concatenated set of print command outputs—one for each object in the group selection.

This is an example of the Print output for a selected group of objects:

```

PRINT FI-BILL-OF-MATERIALS

      PRINT OF FI-BILL-OF-MATERIALS ENCODED IN PROD
00100  FILE
00200  ALIAS
00300  LONG 'Bill of Materials
00400  DESCRIPTION
00500  'Data describing the components of the product, including
00600  'the suit patterns and the sequence of steps in product
00700  'fabrication.
00800  '
00900  ADMINISTRATIVE-DATA
01000  'Inserted by B on 880408'
01100  COPYRIGHT
01200  "(c) Copyright 1975-1999 Allen Systems Group, Inc. All Rights
      END OF PRINT

PRINT FI-BUY-ORDERS-MANUF

      PRINT OF FI-BUY-ORDERS-MANUF ENCODED IN PROD
00100  FILE
00200  ALIAS
00300  LONG 'Buy orders to Manufacturing
00400  DESCRIPTION
00500  'Data pertaining to an Eccam Corporation order for finished
00600  'goods from a vendor, including division orders for Eccam
00700  'manufactured suits.
00800  '
00900  ADMINISTRATIVE-DATA
01000  'Inserted by B on 880408'
01100  COPYRIGHT
01200  "(c) Copyright 1975-1999 Allen Systems Group, Inc. All Rights
      END OF PRINT

PRINT FI-FINANCIAL-STATISTICS

      PRINT OF FI-FINANCIAL-STATISTICS ENCODED IN PROD
00100  FILE
00200  ALIAS
00300  LONG 'Financial Statistics
00400  DESCRIPTION
00500  'Financial performance data, which includes cost of sales,
00600  'income statement, balance sheets, profit by product line,
00700  'working assets and stockholders report

```

### Object Report

The Object Report action produces an output which concatenates several object display outputs—one for each of the objects within the group selection (see page [22](#) for an example of the report).

### Tailored Display and Tailored Print

The Tailored Display and Tailored Print actions are variations of the Report and Print outputs.

## Impact Analysis

The Impact Analysis action expands nested levels of forward and backward references from the selected objects.

## Delete

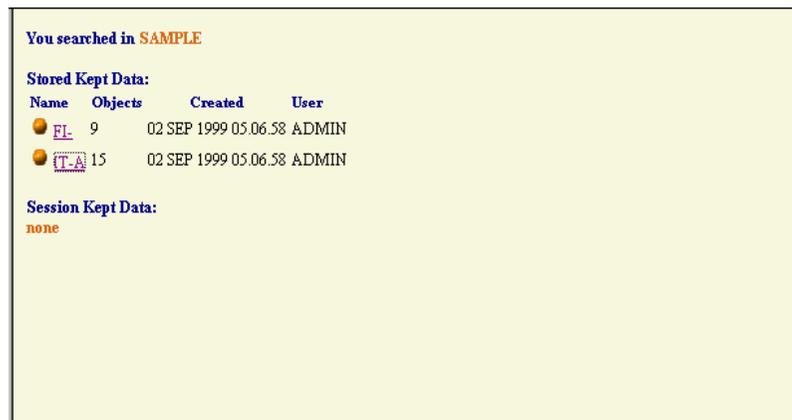
The Delete action removes the selected objects from the repository.

## Working with List Tables

Lists are collections of repository objects. The list tables output is a special variant of the object tables output. It shows stored or temporary lists which match the user's selection criteria.

This output allows the user to browse and access the contents of Kept Data Lists.

This example shows a sample list table output:



The screenshot displays a search result interface. At the top, it says "You searched in SAMPLE". Below this, there are two sections: "Stored Kept Data:" and "Session Kept Data:". The "Stored Kept Data:" section contains a table with four columns: Name, Objects, Created, and User. There are two rows of data in this table. The first row shows a name "FL" with a small icon, 9 objects, a creation date of "02 SEP 1999 05.06.58", and the user "ADMIN". The second row shows a name "T-A" with a small icon, 15 objects, the same creation date, and the user "ADMIN". The "Session Kept Data:" section shows the word "none" below it.

You searched in <b>SAMPLE</b>			
<b>Stored Kept Data:</b>			
Name	Objects	Created	User
 FL	9	02 SEP 1999 05.06.58	ADMIN
 T-A	15	02 SEP 1999 05.06.58	ADMIN

**Session Kept Data:**  
none

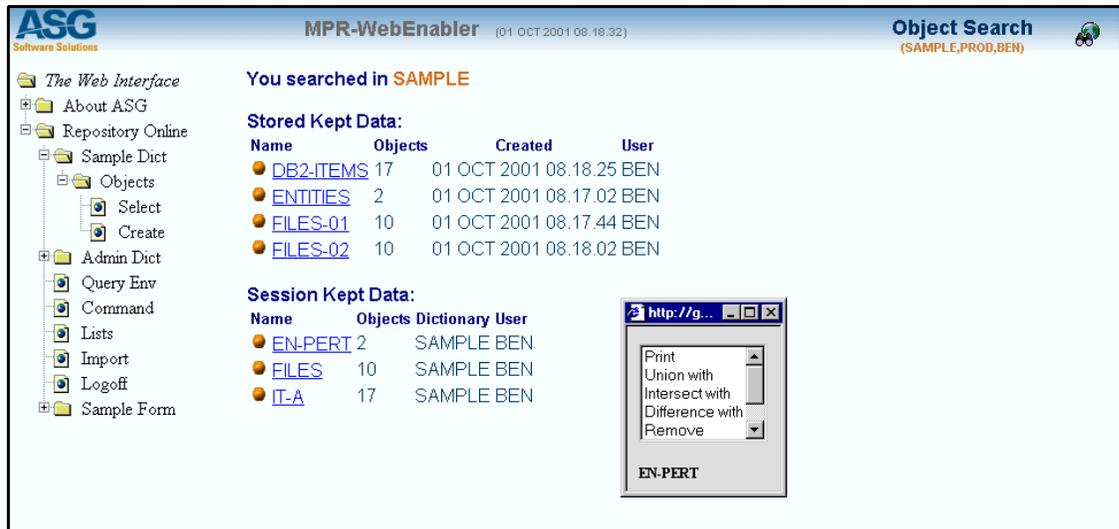
The sample contains these sections:

Section	Description
<b>Output heading</b>	Shows which repository was searched.
<b>Table of matching Stored Kept Data Lists</b>	<p>The Stored Kept Data List Table contains these columns:</p> <p>Name      Indicates the name of the matching list.</p> <p>Objects    Indicates the number of repository objects stored in the list.</p> <p>Created    Indicates the date this list was made, remembering that stored lists represent a working snapshot of repository contents.</p> <p>User        Indicates the user Id of the person who created the list.</p>
<b>Table of matching Session Kept Data Lists</b>	<p>The Session Kept Data List Table contains these columns:</p> <p>Name      Indicates the name of the matching list.</p> <p>Objects    Indicates the number of repository objects stored in the list.</p> <p>Dictionary Indicates the source of the repository objects in the list.</p> <p>User        Indicates the user Id of the person who created the list.</p>

You can click each list in the tables to proceed directly to a repository object table output showing the objects contained by the selected list.

Alternatively, you can click the ball  preceding a list name to obtain a pop-up menu of possible actions involving the selected list.

This is an example of the Sample Kept Data List Table output with the associated Selection Menu:



### Using the Kept Data List Pop-up Menu

These are the common actions you can perform using the kept data list pop-up list

- Union with
- Intersect with
- Difference with
- Remove
- Copy
- Print

Union with, Intersect with, and Difference with are all variations for merging two source lists to produce a third results list. The first of the two source lists is the one selected to obtain the pop-up menu, the second is requested in dialog box upon choosing which merge action is required, and the third, the results list is automatically created. The results list is automatically named using this convention:

*SourceList1\_action\_SourceList2*

where:

*SourceList1* is the name of the first source list.

*action* is one of these uppercase characters denoting the merge action:

<b>Character</b>	<b>Description</b>
U	Union
I	Intersection
D	Difference

*SourceList2* is the name of the second source list.

**Note:** \_\_\_\_\_

Both source lists must be session lists. The result list is also a session list.

---

**Union with**

The Union with action allows you to combine the contents of the selected list with another list.

**Intersect with**

The Intersect with action allows you to select only common or intersecting elements in this list and another list to produce a new list.

**Difference with**

The Difference with action allows you to select only unique or different elements in this list and another list to produce a new list.

**Remove**

The Remove action allows you to remove the selected list from the repository.

**Copy**

The Copy action allows you to create a duplicate list.

**Print**

The Print action allows you to report the contents of the selected list.

**Create Named Session List**

The Create Named Session List action allows you to copy the contents to a new named session list.



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